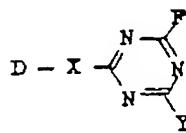


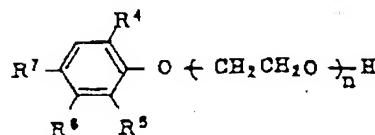
# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

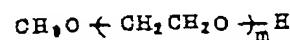
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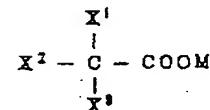
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 INT.CL. : C09D 11/00 C09B 67/26 C09D 11/00  
 C09D 11/02 C09D 11/02 C09D 11/02  
 C09D 11/02



TITLE : INK FOR INK JET DYEING



ABSTRACT : PURPOSE: To provide the title ink which has excellent long-term dispersion stability and does not cause the clogging of nozzles, etc., consisting of a specified reactive disperse dye, a nonionic surfactant, an anionic surfactant, water and an alkali-generating agent.

CONSTITUTION: 1~30% (by weight; the same applies hereinbelow) water-insoluble or difficultly water-soluble reactive disperse dye (A) of formula I (wherein D is a residue of a water-insoluble dye; X is O, -NH-, YOR<sup>1</sup> or NR<sup>2</sup>R<sup>3</sup>; R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> are each H, a (substd.)alkyl, an aryl or an aralkyl group; R<sup>2</sup> and R<sup>3</sup> may be combined together to form a five- or six-membered nitrogen-contg. heterocyclic ring), 0.2~75.2% mixture (B) of a nonionic surfactant of formula II or III (wherein R<sup>4</sup> and R<sup>5</sup> are each H or α-methylbenzyl; R<sup>6</sup> is H or methyl; R<sup>7</sup> is H, methyl or α-methylbenzyl provided that one of R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> is α-methylbenzyl; n is 7~150; m is 6~30) and an anionic surfactant of formula IV (wherein M is Na, K or ammonium salt) and 0.5~15% alkali generating agent (C) of formula V (wherein X<sup>1</sup>, X<sup>2</sup> and X<sup>3</sup> are each Cl or Br; M is Na, K or ammonium) are dissolved in 23.3~98.3% water.

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